

## **803 KAR 2:306. Occupational health and environmental controls.**

RELATES TO: KRS Chapter 338, 29 C.F.R. 1910.6, 1910.94-1910.98

STATUTORY AUTHORITY: KRS 338.051(3), 338.061

NECESSITY, FUNCTION, AND CONFORMITY: KRS 338.051(3) requires the Kentucky Occupational Safety and Health Standards Board to adopt and promulgate occupational safety and health administrative regulations necessary to accomplish the purposes of KRS Chapter 338. This administrative regulation establishes the occupational health and environmental control standards to be enforced by the Department of Workplace Standards in general industry.

Section 1. Definitions. (1) "Act" means KRS Chapter 338.

(2) "Assistant Secretary of Labor" means Secretary, Labor Cabinet, or Commissioner, Department of Workplace Standards, Labor Cabinet.

(3) "C.F.R." means Code of Federal Regulations.

(4) "Standard" means "occupational safety and health standard" as defined by KRS 338.015(3).

(5) "U.S. Department of Labor" means Kentucky Labor Cabinet, U.S. 127 South, Frankfort, Kentucky 40601, or the U.S. Department of Labor.

Section 2. Except as modified by the definitions in Section 1 of this administrative regulation and the requirements established in Section 3 of this administrative regulation, general industry shall comply with the following federal requirements published by the Office of the Federal Register, National Archives and the Records Services, General Services Administration:

(1) 29 C.F.R. 1910.94-1910.98 and Appendices, revised July 1, 2013; and

(2) The amendment to 29 C.F.R. 1910.97 published in the June 13, 2013 Federal Register, Volume 78, Number 114 and corrected and confirmed in the November 6, 2013 Federal Register, Volume 78, Number 215.

Section 3. Occupational Noise Exposure. (1) (a) The language relating to audiometric test requirements for occupational noise exposure in paragraph (b) of this subsection shall apply in lieu of 29 C.F.R. 1910.95(h)(1).

(b) Audiometric tests shall be pure tone, air conduction, hearing threshold examinations with test frequencies including as a minimum 500, 1,000, 2,000, 3,000, 4,000, and 6,000 Hz. Testing at 8,000 Hz shall be included in the audiometric tests for employers using audiometers with that capacity and all audiometric tests shall include 8,000 Hz.

(2)(a) The language relating to audiometric test requirements for occupational noise exposure in paragraph (b) of this subsection shall apply in lieu of 29 C.F.R. 1910.95(h)(4).

(b) Audiometric examinations shall be administered in a room meeting the requirements listed in 29 C.F.R. 1910.95, Appendix D: Audiometric Test Rooms. If an audiometric test room is located in a mobile test van, background sound pressure level measurements shall be taken at each testing location.

(3)(a) The language relating to audiometric test requirements for occupational noise exposure in paragraph (b) of this subsection shall apply in lieu of 29 C.F.R. 1910.95(h)(5)(ii).

(b) Audiometer calibration shall be checked acoustically at least annually in accordance with subsection (7)(b) of this section: Acoustic Calibration of Audiometers.

1. Test frequencies below 500 Hz and above 8,000 Hz may be omitted from this check.

2. Deviations of fifteen (15) decibels or greater shall require an exhaustive calibration.

(4)(a) The language relating to audiometric test requirements for occupational noise exposure in paragraph (b) of this subsection shall apply in lieu of 29 C.F.R. 1910.95(h)(5)(iii).

(b) An exhaustive calibration shall be performed at least every two (2) years in accordance with sections 4.1.2; 4.1.3; 4.1.4.3; 4.2; 4.4.1; 4.4.2; 4.4.3; and 4.5 of the American National Standard Specification for Audiometers, S3.6-1969. Test frequencies below 500 Hz and above 8,000 Hz may be omitted from this calibration.

(5)(a) The language relating to access to information and training materials requirements for occupational noise exposure in paragraph (b) of this subsection shall apply in lieu of 29 C.F.R. 1910.95(l)(1).

(b) The employer shall make available to affected employees or their representatives copies of this standard and shall also post a notice of the availability of this standard in the workplace.

(6)(a) The language relating to exemptions to the administrative regulation for occupational noise exposure requirements in paragraph (b) of this subsection shall apply in lieu of 29 C.F.R. 1910.95(o).

(b) 29 C.F.R. 1910.95(c) through (n) and subsections (1) through (5) of this section shall not apply to employers engaged in oil and gas well drilling and servicing operations, agriculture, or construction.

(7)(a) The language relating to acoustical calibration of audiometers for occupational noise exposure in paragraph (b) of this subsection shall apply in lieu of 29 C.F.R. 1910.95, Appendix E.

(b) Acoustic Calibration of Audiometers.

1. Subparagraphs 2 through 5 of this paragraph shall be mandatory.

2. Audiometer calibration shall be checked acoustically, at least annually, according to the procedures established in subparagraphs 2 through 5 of this paragraph.

a. The equipment necessary to perform these measurements shall be a sound level meter, octave-band filter set, and a National Bureau of Standards 9A coupler.

b. In making these measurements, the accuracy of the calibrating equipment shall be sufficient to determine that the audiometer is within the tolerances permitted by American Standard Specification for Audiometers, S3.6-1969.

3. Sound pressure output check.

a. Place the earphone coupler over the microphone of the sound level meter and place the earphone on the coupler.

b. Set the audiometer's hearing threshold level (HTL) dial to seventy (70) dB.

c. Measure the sound pressure level of the tones at each test frequency from 500 Hz through 8,000 Hz for each earphone.

d. At each frequency the readout on the sound level meter should correspond to the levels in Table E-1 or Table E-2 of this administrative regulation, as appropriate for the type of earphone, in the column entitled "sound level meter reading".

4. Linearity check.

a. With the earphone in place, set the frequency to 1,000 Hz and the HTL dial on the audiometer to seventy (70) dB.

b. Measure the sound levels in the coupler at each ten (10) dB decrement from seventy (70) dB to ten (10) dB, noting the sound level meter reading at each setting.

c. For each ten (10) dB decrement on the audiometer the sound level meter shall indicate a corresponding ten (10) dB decrease.

d. This measurement may be made electrically with a voltmeter connected to the earphone terminals.

5.a. Tolerances. If any of the measured sound levels deviate from the levels in Table E-1 or Table E-2 of this administrative regulation plus or minus three (3) dB at any test frequency between 500 and 3,000 Hz, four (4) dB at 4,000 Hz, or five (5) dB at 6,000 Hz and 8,000 Hz, the employer shall consider conducting an exhaustive calibration.

b. The employer shall conduct an exhaustive calibration if the deviations are greater than ten (10) dB at any test frequency.

TABLE E-1 - REFERENCE THRESHOLD LEVELS FOR TELEPHONICS-TDH-39 EARPHONES		
Fre- quency, Hz	Reference threshold level for TDH- 39 earphones, dB	Sound level meter level meter reading dB
500	11.5	81.5
1000	7.07	77.0
2000	9.07	79.0
3000	10.0	80.0
4000	9.57	79.5
6000	15.5	85.5
8000	13.0	83.0

TABLE E-2 - REFERENCE THRESHOLD LEVELS FOR TELEPHONICS-TDH-49 EARPHONES		
Fre- quency, Hz	Reference threshold level for TDH- 49 earphones, dB	Sound level meter level meter reading dB
500	13.5	83.5
1000	7.5	77.5
2000	11.0	81.0
3000	9.5	79.5
4000	10.5	80.5
6000	13.5	83.5
8000	13.0	83.0

(16 Ky.R. 687; eff. 12-15-1989; Am. 17 Ky.R. 1845; eff. 1-6-91; 20 Ky.R. 2687; eff. 5-11-94; 23 Ky.R. 1698; eff. 12-13-96; 3927; eff. 7-17-97; 25 Ky.R. 1151; eff. 1-19-99; 26 Ky.R. 646; 1005; eff. 11-15-99; 33 Ky.R. 3047; 3375; eff. 6-1-07; TAm eff. 5-15-2008; 35 Ky.R. 1291; 1754; eff. 3-6-09; 36 Ky.R. 162; 586; eff. 10-1-2009; 37 Ky.R. 146; 721; 10-1-2010; 40 Ky.R. 2825; eff. 9-5-2014.)